### Applicant: Kern County Fire Department Application: Education & Safety (FINAL)

#### **Education & Safety (FINAL)**

FOR OFFICE USE ONLY:	Version #	APP # 700373
	version #	APP # 700373

#### A. Statement of Activity or Product

#### PROJECT DESCRIPTION:

The Safety Program for which the Kern County Fire Department requests grant funding is to purchase and stage EMS and rescue equipment at the Jawbone Canyon and Dove Springs OHV recreational areas during times of peak visitor activity. This safety program will greatly improve rescue and medical services to the numerous visitors who require this assistance from KCFD personnel who will staff the trailers located on the sites.

#### KERN COUNTY FIRE DEPARTMENT INFORMATION

The Kern County Fire Department consists of 533 full time employees dedicated to protecting the lives and property of Kern County's 823,550 citizens. KCFD maintains 46 fire stations and last year responded to 62,113 calls for assistance. Surrounded by seven other counties, KCFD also provided mutual aid services on 2,972 incidents.

Located at the base of California's San Joaquin Valley, Kern County is the third largest county in California and the twelfth most populous. Kern County spans over 8,000 square miles of mountains, desert, and farming plains, and supports a population exceeding three quarters of a million people. This population increased 21% in the past eight years. It is comprised of eleven incorporated cities and forty-one unincorporated communities.

The farming industry in Kern County is responsible for growing 20% of the nation's fresh food and fiber, in addition to participating in the worldwide distribution of these products. Further, the crop value in Kern County is ranked fourth highest among the nation's counties. The county is also recognized for its petroleum resources and production and is a major national producer of oil.

The County is also home to numerous critical infrastructure components. The Kern County Fire Department continues to be responsible for critical infrastructure protection of Interstate Highway 5 and State Highways 99 and 58, three of the five major highways traversing the Central Valley. The combined average daily traffic totals of these highways is 502,223 vehicles.

#### OFF HIGHWAY VEHICLE RECREATION ACTIVITY

Meetings with stakeholders and conference calls with interested parties have made KCFD aware of the following needs associated with OHV recreation and KCFD's responsibility to mitigate safety hazards including rescue of OHV accident victims.

Kern County ranks THIRD among all California counties in annual use of recreational vehicle gasoline [1.8 million gallons for OHVs in 2006]. There are nearly 20,000 registered Off-Highway Vehicles in Kern County.

Two of the most popular OHV recreation areas in Kern County are Jawbone Canyon and Dove Springs. These BLM managed areas are located in the eastern desert area of the County. Jawbone Canyon has 7,000 acres of area, while Dove Springs has 5,000 acres. Combined, the two areas support over 2,000 miles of OHV trails.

During a typical holiday weekend, or peak OHV riding season, over 100,000 riders visit these two areas per weekend. [Antelope Valley Press Feb. 8, 2009]. According to State projections, the demand for OHV recreation use will continue to increase throughout the State, at an average of 8-10%, mirroring California's population growth projections. In Kern County, the population has increased faster than the rest of the State [13% in the last 5 years].

The nearest Fire Stations to either of these popular OHV recreation areas are over thirty miles away. During 2008-2009 the Kern County Fire Department responded to 342 incidents related to OHV accidents in the Jawbone Canyon and Dove Springs areas. These rescue responses involved extrications, basic and advanced life support. It is virtually impossible for an injured rider to receive rescue assistance within "the Golden Hour" due to the isolated distance of Jawbone Canyon

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and Dove Springs. The Kern county Fire Department proposes to rectify this problem by purchasing and staging mobile rescue equipment at both sites during peak holiday and weekend use by OHV enthusiasts.

#### THE FINANCIAL CRISIS

In August 2009 the Board of Supervisors cut the KCFD annual budget by 23%. The Board is expected to repeat this cut again for the 2010-2011 fiscal year. The Kern County fire Department has NO SPAPRE FUNDS with which to acquire and stage this OHV rescue equipment. Given California's dire fiscal situation, it is doubtful that KCFD will have the funding in the near future to accomplish this important public safety project.

#### B. Relation of Proposed Project to OHV Recreation

The Kern County Fire Department's proposal to purchase and stage EMS rescue equipment at Jawbone Canyon and Dove Springs will have a direct and positive influence on Off Highway Vehicle recreation in Kern County. Riders who know that certified professional first responders are staged on scene in anticipation of an emergency can confidently engage their OHV recreation activities knowing that their safety is considered a priority in these recreational areas. Should injured riders need more advanced medical assistance, once stabilized using this rescue equipment, they can be transported by air to an acute care facility, arriving there within the "Golden Hour" treatment window.

#### C. Identification of Needs

This project specifically identifies the emergency rescue and EMS needs of the hundreds of thousands of visitors to the Jawbone Canyon and Dove Springs OHV recreation area. Last year, the Kern County Fire Department responded to 342 incidents involving emergency rescue and EMS treatment for OHV riders in these two areas. The on scene staging of this mobile emergency rescue equipment dramatically reduces the response time of Fire Department personnel, thereby increasing the recovery opportunities for rescued riders.

#### D. Location of Training Services

Please see the Jawbone Canyon - Dove Springs Area Map provided in the Attachments Section of the application.

#### E. OHV Safety, Environmental Responsibility, and Respect Private Property

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1 Optional Project-Specific Application Documents

Attachments:

Jawbone Canyon Area Map
Rescue Equipment EMS Vehicles

2 Optional Project-specific Maps

Attachments:

Jawbone Canyon BLM Map

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**Project Cost Estimate** 

	FOR OFFICE USE ONLY:	Version #		APP #	
APPLICANT NAME :	Kern County Fire Department	V 0101011 11		701 "	
PROJECT TITLE :	Education & Safety (FINAL)			PROJECT NUMBER (Division use only) :	G09-03-31-S01
PROJECT TYPE :	Acquisition  Law Enforcement	☐ Development ☐ Planning	Education Restoration	n & Safety on	Ground Operations
PROJECT DESCRIPTION:	Jawbone Canyon and Dove Springs medical services to the numerous vis KERN COUNTY FIRE DEPARTMENTHE KERN COUNTY FIRE DEPARTMENTHE KERN COUNTY FIRE DEPARTMENTHE KERN COUNTY FIRE DEPARTMENTHE STATE OF THE COUNTY IN COUNTY FIRE COUNTY IS ALSO HOME TO NUMEROUS AND ASSOCIATION OF THE COUNTY IS ALSO HOME TO STATE COUNTY IS ALSO HOME.	rn County Fire Department requests gr OHV recreational areas during times of itors who require this assistance from h IT INFORMATION  Insists of 533 full time employees dedic last year responded to 62,113 calls for  In Joaquin Valley, Kern County is the the untains, desert, and farming plains, and reight years. It is comprised of eleven its responsible for growing 20% of the next, the crop value in Kern County is rank unction and is a major national producer so critical infrastructure components. The Highway 5 and State Highways 99 and of these highways is 502,223 vehicles.  ITON ACTIVITY  Perence calls with interested parties have safety hazards including rescue of OH California counties in annual use of recompositions.	peak visitor active CFD personnel atted to protecting assistance. Sure assistance. Sure attending the supports a popin person of supports a popin person of supports a food attending from the support of support	wity. This safety program who will staff the trailers go the lives and property or counded by seven other of the counded and fiber, in addition to set among the nation's countered by the counterproperty of the following needs.	of Kern County's 823,550 citizens.  For Kern County's 823,550 citizens.  For Counties, KCFD also provided mutual counties, KCFD also provided mutual counties.  For County quarters of a million people. This porated communities.  For participating in the worldwide counties. The county is also recognized the set to be responsible for critical for the county will be contral valley. The county is associated with OHV recreation

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## Project Cost Estimate for Grants and Cooperative Agreements Program - 2009/2010 Agency: Kern County Fire Department Application: Education & Safety (FINAL)

Two of the most popular OHV recreation areas in Kern County are Jawbone Canyon and Dove Springs. These BLM managed areas are located in the eastern desert area of the County. Jawbone Canyon has 7,000 acres of area, while Dove Springs has 5,000 acres. Combined, the two areas support over 2,000 miles of OHV trails.

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The nearest Fire Stations to either of these popular OHV recreation areas are over thirty miles away. During 2008-2009 the Kern County Fire Department responded to 342 incidents related to OHV accidents in the Jawbone Canyon and Dove Springs areas. These rescue responses involved extrications, basic and advanced life support. It is virtually impossible for an injured rider to receive rescue assistance within "the Golden Hour" due to the isolated distance of Jawbone Canyon and Dove Springs. The Kern county Fire Department proposes to rectify this problem by purchasing and staging mobile rescue equipment at both sites during peak holiday and weekend use by OHV enthusiasts.

#### THE FINANCIAL CRISIS

In August 2009 the Board of Supervisors cut the KCFD annual budget by 23%. The Board is expected to repeat this cut again for the 2010-2011 fiscal year. The Kern County fire Department has NO SPAPRE FUNDS with which to acquire and stage this OHV rescue equipment. Given California's dire fiscal situation, it is doubtful that KCFD will have the funding in the near future to accomplish this important public safety project.

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total				
DIREC	DIRECT EXPENSES										
Progra	Program Expenses										
1	Staff										
	Other-Firefighters Captains	2.000	16000.000	FTE	0.00	32,000.00	32,000.00				
	Other-Firefighters Engineers	2.000	14000.000	FTE	0.00	28,000.00	28,000.00				
	Total for Staff				0.00	60,000.00	60,000.00				

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# Project Cost Estimate for Grants and Cooperative Agreements Program - 2009/2010 Agency: Kern County Fire Department Application: Education & Safety (FINAL)

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
2	Contracts						
3	Materials / Supplies						
4	Equipment Use Expenses						
5	Equipment Purchases						
	Other-5th wheel trailer  Notes: Each of these fifth wheel trailers will be staged at both OHV areas and will provide overnight quarters for firefighters. They will also transport and house the polaris rescue vehicles, and provide a treatment area for patients requiring first aide, and transitional life support. KCFD will cover the costs of staffing, supplying, and transporting the trailers to the sites.	2.000	39868.000	EA	77,742.00	1,994.00	79,736.00
	Other-F-250 Truck Notes: These two vehicles are required to tow both of the fifth wheel rescue trailers to the OHV recreation sites at Jawbone Canyon and Dove Springs for staging. The Kern County Fire Department will provide the drivers, fuel, maintenance and insurance costs for these vehicles.	2.000	34356.000	EA	66,994.00	1,718.00	68,712.00
	Other-Polaris Ranger 800 Notes: The two Polaris Ranger vehicles are the primary means of transportation of firefighters to rescue OHV accident victims at Dove Springs and Jawbone Canyon. They will be staged on the sites during high volume visitor occasions. The vehicles are outfitted with stretchers for patient transport back to the fifth wheel trailers for first aid or transitory life support. The vehicles accomodate a driver, an EMT, and a patient.	2.000	10500.000	EA	20,475.00	525.00	21,000.00
	Other-RKO Skid Slip Notes: The RKO Skid Slips are attachments to the Polaris Ranger rescue vehicles that allow a patient to be carried by a stretcher. This equipment is integral to the rescue function of the Polaris	2.000	5047.000	EA	9,839.00	255.00	10,094.00

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#### Project Cost Estimate for Grants and Cooperative Agreements Program - 2009/2010 Agency: Kern County Fire Department Application: Education & Safety (FINAL)

Line Item	Qty	Rate	UOM	Grant Request	Match	Total
so the victim can be carried back to the fifth wheel trailers staged in the two locations for first aid or transitory life support.						
Other-BLS bag set  Notes: The Basic Life Support Bag Set is essential medical equipment required to maintain basic life support for an OHV accident victim until the victim can be transported to an acute care facility. It is integral to the EMS function of this safety project.	2.000	2364.000	EA	4,610.00	118.00	4,728.00
Other-FD Rescue Rope Kit  Notes: The FD rescue rope kit is required equipment to rescue a victim who has gone over an embankment and must be pulled back up a slope too steep for unassisted rescue.	2.000	4600.000	EA	8,970.00	230.00	9,200.00
Other-Mobile Radio Notes: The three mobile radios are required equipment for the firefighters staged in the fifth wheel EMT trailers and the Ford F-250 vehicles on scene at the two locations to contact the Emergency Communications Center for messaging during rescue operations.	3.000	1050.000	EA	3,070.00	80.00	3,150.00
Other-Portable Radio Notes: The four portable radios are handheld communication devices required for the rescue staff staged on scene to communicate with the Emergency Communications Center during rescue operations at the two OHV recreation sites.	4.000	756.000	EA	2,944.00	80.00	3,024.00
Total for Equipment Purchases	•			194,644.00	5,000.00	199,644.00
6 Others						
7 Indirect Costs						
Total Program Expenses				194,644.00	65,000.00	259,644.00
TOTAL DIRECT EXPENSES				194,644.00	65,000.00	259,644.00
TOTAL EXPENDITURES	194,644.00	65,000.00	259,644.00			

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# Project Cost Summary for Grants and Cooperative Agreements Program - 2009/2010 Agency: Kern County Fire Department Application: Education & Safety (FINAL)

	Line Item	Grant Request	Match	Total	Narrative						
DIREC	T EXPENSES	- Craint Hoquooi	a.c.i.		Traine in the second se						
	Program Expenses										
1	Staff	0.00	60,000.00		These staff costs shall be covered by KCFD for one Captain and one Engineer per location, per event. These costs are the usual, customary salaries of the personnel. It is estimated that the staff will be deployed with the rescue equipment for staging at Jawbone Canyon and Dove Springs at least eight weekends per year.						
2	Contracts	0.00	0.00	0.00							
3	Materials / Supplies	0.00	0.00	0.00							
4	Equipment Use Expenses	0.00	0.00	0.00							
5	Equipment Purchases	194,644.00	5,000.00		Each of these fifth wheel trailers will be staged at both OHV areas and will provide overnight quarters for firefighters. They will also transport and house the polaris rescue vehicles, and provide a treatment area for patients requiring first aide, and transitional life support. KCFD will cover the costs of staffing, supplying, and transporting the trailers to the sites.  These two vehicles are required to tow both of the fifth wheel rescue trailers to the OHV recreation sites at Jawbone Canyon and Dove Springs for staging. The Kern County Fire Department will provide the drivers, fuel, maintenance and insurance costs for these vehicles.						

#### Project Cost Summary for Grants and Cooperative Agreements Program - 2009/2010 Agency: Kern County Fire Department Application: Education & Safety (FINAL)

					The two Polaris Ranger vehicles are the primary means of transportation of firefighters to rescue OHV accident victims at Dove Springs and Jawbone Canyon. They will be staged on the sites during high volume visitor occasions. The vehicles are outfitted with stretchers for patient transport back to the fifth wheel trailers for first aid or transitory life support.
6	Others	0.00	0.00	0.00	
7	Indirect Costs	0.00	0.00	0.00	
Total Program Expenses		194,644.00	65,000.00	259,644.00	
TOTAL	DIRECT EXPENSES	194,644.00	65,000.00	259,644.00	
TOTAL EXPENDITURES		194,644.00	65,000.00	259,644.00	

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### **Environmental Review Data Sheet (ERDS)**

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	ITEM 1 and IT	'FM 2						
	ITEM 1	LIII 2						
a.		s a CEQA Notice of Determinct Yes or No)	nation (NOD) been	filed for the Project?	C	Yes	•	No
	ITEM 2							
b.	document pr	oposed Project include a requestration prior to implement d Project pursuant to Section	ing the remaining F	roject Deliverables (i.e., is it	C	Yes	•	No
ı	ITEM 3 - Proje	ect under CEQA Guidelines	s Section 15378					
C.		the proposed activities a "P ct Yes or No)	roject" under CEQA	A Guidelines Section 15378?	C	Yes	•	No
d.	and ensure p	ion is requesting funds solely public safety. These activities and are thus not a "Project"	s would not cause a		•	Yes	C	No
e.	=	in why proposed activities wanted CEQA. DO NOT comp	-	physical impacts on the envir	onn	nent and	are	thus not
I	ITEM 4 - Impa	nct of this Project on Wetla	nds					
ı	ITEM 5 - Cum	ulative Impacts of this Pro	ject					
I	ITEM 6 - Soil	Impacts						
ı	ITEM 7 - Dam	age to Scenic Resources						
ı	ITEM 8 - Haza	rdous Materials						
		62.5 of the California Govern		ny list compiled pursuant to lous materials)? (Please	C	Yes	C	No
		ribe the location of the hazar imize or avoid the hazards.	d relative to the Pro	oject site, the level of hazard a	and	the mea	sure	s to be
I	ITEM 9 - Pote	ntial for Adverse Impacts t	o Historical or Cu	Itural Resources				
	-	roposed Project have potenticultural resources? (Please		al adverse impacts to	C	Yes	C	No
	Discuss the presources.	potential for the proposed Pr	oject to have any s	ubstantial adverse impacts to	hist	orical or	cult	ural

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**ITEM 10 - Indirect Significant Impacts** 

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Environmental Review Data Sheet (ERDS) for Grants and Cooperative Agreements Program - 2009/2010
Applicant: Kern County Fire Department
Application: Education & Safety (FINAL)

**CEQA/NEPA Attachment** 

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2.

3.

4.

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	Evaluation Criteria - Q 1.								
	The Applicant is applying for the following from list)	g type of Project: (Che	eck the one most appropriate.) (Please select one						
	<ul> <li>Education – Applicants shall only respond to items 1, 2, 4, 5, 6, 7, 8, 9, 10 and 11</li> <li>Safety – Applicants shall only respond to items 1, 2, 4, 5, 6, 12, 13, 14, and 15</li> </ul>								
<ol> <li>As calculated on the Project Cost Estimate, the percentage of the cost of the Project covered by the Applicant is 0</li> </ol>									
	(Note: This field will auto-populate once to one from list)	the Cost Estimate and	Evaluation Criteria are Validated.) (Please selec						
	76% or more (10 points)	C.	51% - 75% (5 points)						
	C 26% - 50% (3 points)	<b>©</b> 2	25% (Match minimum) (No points)						
	Evaluation Criteria - Q 2.								
2.	For Applicant's OHV Grant Projects which the last two years, the percentage of all		• •						
	(Check the one most appropriate) (Pleas 100% of Deliverable accomplished 75% to 99% of Deliverables accom Less than 75% of Deliverables accom First time Applicants and past Appli	(5 points) plished (3 points) omplished (No points)	Grant projects within the last two years (2 points)						
	Evaluation Criteria - Q 3. (FOR DIVISION	N USE ONLY)							
3.	Previous Year Performance								
	(FOR DIVISION USE ONLY) (Check the	one most appropriate	) (Please select one from list)						
	In the previous year the Applicant h OHMVR Grant Administrator by pho	•	nd communicated effectively with the assigned I visit (3 points)						
	First time Applicants and past Appli	icants with no active G	Grant projects within the last two years (2 points)						
	In the previous year the Applicant h	nas not been responsiv	/e (No points)						
	Evaluation Criteria - Q 4.								
4.	The Project will utilize partnerships to su organizations that will participate in the F	•	the Project. The number of partner						
	(Check the one most appropriate.) (Plea	se select one from list	:)						
	C 4 or more (4 points)	<b>©</b> 2	2 to 3 (2 points)						
	C 1 (1 point)	CI	None (No points)						
	List partner organization(s)								
	BLM Ridgecrest Field Office, Forest Ser	vice Sequoia District,	Kern County Sheriff's Department						

5. **Evaluation Criteria - Q 5.** 

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5. The Project addresses the following types of OHV Recreation 5 (Check all that apply.) Scoring: 1 point each (Please select applicable values) **▼** ATV ✓ M.C. Recreation Utility Vehicle (RUV) □ Snowmobile ✓ Dune buggy, rail Other (Specify) Evaluation Criteria - Q 6. 6. 6. The Project was developed with public input employing the following 2 (Check all that apply) Scoring: 1 point each, up to a maximum of 2 points (Please select applicable values) Publicly noticed meeting(s) with the general public to discuss Project (1 point) ▼ Conference call(s) with interested parties (1 point) Meeting(s) with stakeholders (1 point) Explain each statement that was checked Meetings held 12-15-2009 with stakeholders, conference calls conducted 12-16-2009 with interested parties. 7. Evaluation Criteria - Q 7. (Education Project ONLY) 7. The Project incorporates the following, clearly identifiable and/or measurable, elements (Check all that apply) (Please select applicable values) Process of researching issues and audience (2 points) Objectives (2 points) Testing process to ensure actions are effective (2 points) Plan to implement the Project (2 points) Evaluation and feedback of the process (2 points) Explain each statement that was checked 8. **Evaluation Criteria - Q 8. (Education Project ONLY)** 8. Total number of times individuals are exposed to the message (Check the one most appropriate.) (Please select one from list) Greater than 10,000 (4 points) C 1,000 to 10,000 (3 points) C 100 to 1,000 (2 points) C 20 to 100 (1 point) © 0 to 20 (No points) Explain checked statement: Evaluation Criteria - Q 9. (Education Project ONLY) 9. 9. Total time a participant will have exposure to the Project's message or training (Check the one item of highest point value that applies.) (Please select one from list) Greater than 2 hours (4 points) 1 hour to 2 hours (3 points) 5 minutes to less than 1 hour (2 points) 1 minute to less than 5 minutes (A Project for maps will fall under this category) (1 point) C Less than 1 minute (No points)

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10.	Evaluation Criteria - Q 10. (Education Project ONLY)	
10	The Project will utilize the following methods of education	
	(Check all that apply) Scoring: 2 point each up to a maximum Hands on training Handouts Internet messaging/CDs Advertising Community involvement Public relations/media	num of 14 points (Please select applicable values)  Tool kits Events Signage Radio/TV Other (Specify)
	Explain each statement that was checked	
11.	Evaluation Criteria - Q 11. (Education Project ONLY)	
11. The Project provides direct support for delivery of ATV Safety Institute and/or Motorcycle Safety Foundation training		
	(Check the one most appropriate.) (Please select one fro	m list)
	No (No points)	C Yes (2 points)
	Explain 'Yes' response	
12. Evaluation Criteria - Q 12. & 13. (Safety Project ONLY)		
12. The Project will utilize personnel trained to the following level 5		
	(Check the one most appropriate.) (Please select one fro Emergency Medical Technician level, or higher (5 points)	m list)  First Responder level (2 points)
	First Aid and CPR (1 points)	No training (No points)
13	3. The Project will provide search and rescue as follows 0	
(Check the one most appropriate) (Please select one from list)		n list)
	<ul><li>24 hours, 7 days per week (5 points)</li><li>Less than 24 hours, less than 7 days per week (2 points)</li></ul>	Less than 24 hours, 7 days per week (4 points) On special occasions/events only (No points)
13.	Evaluation Criteria - Q 14. (Safety Project ONLY)	
14. The Project will have the majority of personnel trained in the following areas 16		
	(Check all that apply) Scoring: 2 points each up to a maximum Radio communication  ☐ Avalanche rescue ☐ Swift water rescue ☐ Dog handling ☐ Rope skills ☐ Wilderness search and rescue	mum of 16 points (Please select applicable values)  ✓ Tracking skills  ✓ Navigation training  ✓ ATV certification  ✓ Motorcycle certification  ✓ 4 x 4/Off-Road training  ✓ Other (Specify)

**Evaluation Criteria - Q 15. (Safety Project ONLY)** 

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15. The Project will have resources that are equipped and trained for rescue in the following environmental conditions\* 8

(Check all that apply) (Please select applicable values)

- ▼ Type 1 Extreme Condition (including but not limited to): Altitude (generally 7000 feet+) or Snow, Ice, Desert, Heat, Heavy ground cover, Steep difficult terrain. (2 points)
- ▼ Type 2 Rugged Terrain. Rugged conditions, Altitude (generally under 7000 feet), Heat, Cold concerns, Moderate to heavy ground cover. (2 points)
- ▼ Type 3 Moderate/Gentle Terrain. Gently rolling terrain, Open spaces, Maintained trailheads, and Agricultural areas. (2 points)
- ▼ Type 4 Urban. High traffic, Urban office complexes, man-made surfaces, Public interaction and Park trails. (2 points)
- \* From the Governor's Office of Emergency Services Mutual Aid Guidelines, Search and Rescue, Off-Highway Vehicles

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